

WHAT IS CLAIMED IS:

1. A laser oscillator comprising:  
laser oscillation means for employing a discharge to excite  
a laser and to generate a laser beam;  
a box for storing said laser oscillation means; and  
an optical catalyst layer formed on the inner wall of  
said box.

2. A laser oscillator comprising:  
laser oscillation means for employing a discharge to excite  
a laser gas and to generate a laser beam;  
a box for storing said laser oscillation means; and  
a plate member, provided inside said box, on which an  
optical catalyst layer is formed.

3. A laser oscillator according to claim 1 or 2, wherein  
said optical catalyst layer decomposes nitrogen oxide (NOX).

4. A laser oscillator comprising:  
laser oscillation means for employing a discharge to excite  
a laser gas and to generate a laser beam;  
a box for storing said laser oscillation means; and  
a graphitized layer formed on the inner wall of said box.

5. A laser oscillator comprising:  
laser oscillation means for employing a discharge to excite  
a laser gas and to generate a laser beam;

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a box for storing said laser oscillation means; and  
a plate member, provided inside said box, on which a  
graphitized layer is formed.

6. A laser oscillator according to claim 4 or 5, wherein  
said graphitized layer absorbs ultraviolet rays.

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7. A laser oscillator comprising:  
layer oscillation means for employing a discharge by a  
pair of discharge electrodes that face each other across an  
intervening discharge space to excite a laser gas and to generate  
a laser beam;

reflection means for receiving ultraviolet rays generated  
by said laser oscillation means, and for reflecting said  
ultraviolet rays so that the reflected light passes through  
said discharge space between said pair of discharge electrodes;  
and

a box for storing said laser oscillation means and said  
reflection means.

8. A laser oscillator according to claim 1, further  
comprising:

a sensor provided in said box to detect said ultraviolet  
rays.

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9. A laser oscillator comprising:  
laser oscillation means for employing a discharge to excite

cooling means for cooling said laser gas that is heated  
by said discharge;

a box for storing said laser oscillation means, said cooling means and said collector,

10. A laser oscillator according to claim 9, wherein activated carbon is used as said collector.

12. A laser oscillator according to claim 10, wherein said activated carbon is stored in a container having a mesh smaller than the particle diameter.

13. A laser oscillator according to claim 11, wherein said aluminous silica gel is stored in a container having a mesh smaller than the particle diameter.